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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Date: July 24, 2001

In re Application of:

DAVID J. EDLUND and WILLIAM A. PLEDGER

Serial No. : 09/839,997

Filed : April 20, 2001

For : FUEL PROCESSING SYSTEM

Commissioner for Patents
Washington, D.C. 20231

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Sir:

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56, 1.97 AND 1.98**

Pursuant to Applicants' duty of disclosure required under 37 C.F.R. § 1.56, Applicants are submitting the enclosed, completed PTO form 1449 with copies of each reference as required by 37 C.F.R. § 1.97 and 1.98. The listing of any reference or the submission of a copy of any reference shall not be deemed as an admission that the listed or submitted reference is prior art for this application.

This application is a continuation of U.S. Patent Application Serial No. 09/291,447, filed April 13, 1999, which issued on April 24, 2001 as U.S. Patent No. 6,221,117, which is a continuation-in-part of U.S. Patent Application Serial No. 08/951,091, filed October 15, 1997, which issued on December 7, 1999 as U.S. Patent No. 5,997,594, which is a continuation-in-part of U.S. Patent Application Serial No. 08/741,057, filed October 30, 1996, and which issued on January 19, 1999 as U.S. Patent No. 5,861,137. Copies of the references previously cited in these three parent applications are not submitted, in accordance with 37 C.F.R. § 1.98(d).

Japanese Patent No. 4-163860, for which Applicants do not have an English-language abstract or translation, appears to disclose a schematically illustrated system that includes a controller 26.

An English language abstract is provided for German language PCT Patent Application Serial No. WO 00/04600, 2000.

For each remaining foreign document for which there is no translation, a concise statement of relevance is already of record in the previously cited applications identified above.

Applicants recognize that there are many references listed in the enclosed PTO 1449 Forms. However, Applicants are prosecuting dozens of applications related to the field of fuel processing systems and fuel cell systems, and accordingly are continuously receiving new information from Applicants' own searches, the U.S. Patent and Trademark Office and foreign patent offices. Applicants appreciate in advance the Examiner's time and understanding.

Respectfully submitted,

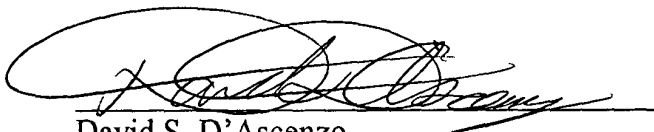
CERTIFICATE OF MAILING

I hereby certify that this correspondence, the attached PTO-1449 form and copies of references are being deposited with the United States Postal Service as first class mail and are addressed to: Commissioner for Patents, Washington, D.C. 20231 on July 24, 2001.



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INFORMATION DISCLOSURE
CITATION IN AN APPLICATION

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	1,306,221	6/10/1919	Ellis			
	1,782,824	11/25/1930	Hechenbleikner			
	1,848,466	3/8/1932	Edmonds			
	2,132,151	10/4/1938	Fenske et al.			
	2,450,804	10/5/1948	Loy			
	2,609,059	9/2/1952	Benedict			
	2,824,620	2/25/1958	De Rosset			
	3,094,391	6/18/1963	Mader			
	3,144,312	8/11/1964	Mertens			
	3,208,198	9/28/1965	Rubin			
	3,336,730	8/22/1967	McBride et al.			
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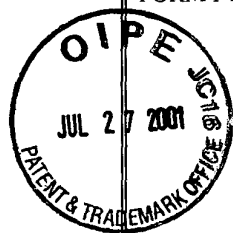
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
JP 45-14404	5/1970	Japan			X
JP 45-2642	9/1970	Japan			X
JP 1-145302	6/1989	Japan			X

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	English abstract of Japanese Patent No. 432150, 1992.
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	3,350,176	10/31/1967	Green et al.			
	3,368,329	2/13/1968	Eguchi et al.			
	3,450,500	6/17/1969	Setzer et al.			
	3,469,944	9/30/1969	Bocard et al.			
	3,520,803	7/21/1970	Iaconelli			
	3,524,819	8/18/1970	Guerrieri			
	3,564,819	2/23/1971	Neulander et al.			
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	3,665,680	5/30/1972	Heuser			
	3,713,270	1/30/1973	Farr et al.			
	3,761,382	9/25/1973	Hammond et al.			
	3,782,904	1/1/1974	Fletcher			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
JP 1-145303	6/1989	Japan			X
EP 0434562 A1	6/26/1991	EPO			X
JP 4-163860	6/1992	Japan			X

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	3,787,038	1/22/1974	Tesner et al.			
	3,791,106	2/12/1974	Haley			
	3,849,076	11/19/1974	Gryaznov et al.			
	3,881,891	5/6/1975	Goltsov et al.			
	3,881,897	5/6/1975	Faure et al.			
	3,920,416	11/18/1975	Houseman			
	3,955,941	5/11/1976	Houseman et al.			
	3,972,695	8/3/1976	Buckley et al.			
	3,980,452	9/14/1976	Krumm et al.			
	3,982,910	9/28/1976	Houseman et al.			
	4,003,343	1/18/1977	Lee			
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	4,098,959	7/4/1978	Fanciullo			
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	4,127,393	11/28/1978	Timmins et al.			
	4,132,668	1/2/1979	Gryaznov et al.			
	4,197,152	4/8/1980	Palty et al.			
	4,238,403	12/9/1980	Pinto			
	4,254,086	3/3/1981	Sanders			
	4,302,177	11/24/1981	Fankhanel et al.			
	4,315,893	2/16/1982	McCallister			
	4,329,157	5/11/1982	Dobo et al.			
	4,349,613	9/14/1982	Winsel			

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	WO 99/30806	6/1999	WIPO			X	
	WO 99/65097	12/1999	WIPO			X	

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	4,387,434	6/7/1983	Moncrief, Jr. et al.			
	4,400,182	8/23/1983	Davies et al.			
	4,417,905	11/29/1983	Banks et al.			
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	4,468,235	8/28/1984	Hill			
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	4,473,622	9/25/1984	Chludzinski et al.			
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	4,589,891	5/20/1986	Iniotakis et al.			
	4,642,273	2/10/1987	Sasaki			
	4,644,751	2/24/1987	Hsu			
	4,650,814	3/17/1987	Keller			
	4,654,063	3/31/1987	Auvil et al.			
	4,657,828	4/14/1987	Tajima			
	4,659,634	4/21/1987	Struthers			
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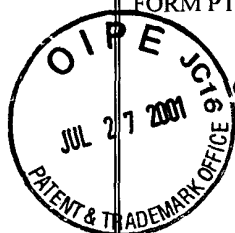
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	4,788,004	11/29/1988	Pinto et al.			
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	4,880,040	11/14/1989	Pierson et al.			
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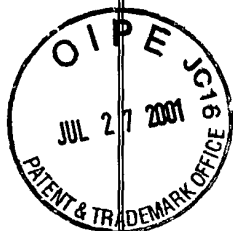
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	5,032,365	7/16/1991	Aono et al.			
	5,139,541	8/18/1992	Edlund			
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	5,205,841	4/27/1993	Vaiman			
	5,215,729	6/1/1993	Buxbaum			
	5,225,080	7/6/1993	Karbachsch et al.			
	5,226,928	7/13/1993	Makabe et al.			
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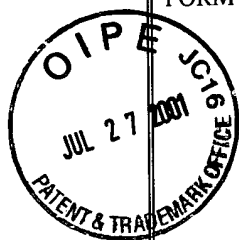
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO

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	English abstract of Japanese Patent No. 57-145276.
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
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	5,376,167	12/27/1994	Broutin et al.			
	5,382,271	1/17/1995	Ng et al.			
	5,393,325	2/28/1995	Edlund			
	5,395,425	3/7/1995	Brown			
	5,401,589	3/28/1995	Palmer et al.			
	5,417,051	5/23/1995	Ankersmit et al.			
	5,432,710	7/11/1995	Ishimaru et al.			
	Re. 35,002	7/25/1995	Matsubara et al.			
	5,449,848	9/12/1995	Itoh			
	5,458,857	10/17/1995	Collins et al.			
	5,498,278	3/12/1996	Edlund			

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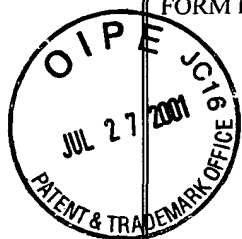
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO

OTHER DOCUMENTS

	English abstract of Japanese Patent No. 1-145303.
	English abstract of Great Britain Patent No. 2,305,186.
	English abstract of German language PCT Patent Application Serial No. WO 00/04600, 2000.

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	5,520,807	5/28/1996	Myrna et al.			
	5,525,322	6/11/1996	Willms			
	5,527,632	6/18/1996	Gardner			
	5,536,405	7/16/1996	Myrna et al.			
	5,580,523	12/3/1996	Bard			
	5,589,599	12/31/1996	McMullen et al.			
	5,612,012	3/18/1997	Soma et al.			
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	Adris, A. M., et al., "A Fluidized Bed Membrane Reactor for the Steam Reforming of Methane," The Canadian Journal of Chemical Engineering, Vol. 69, pp. 1061-70 (October, 1991).
	Amphlett, J. C., et al., "On Board Hydrogen Purification for Steam Reformer/PEM Fuel Cell Vehicle Power Plants," Energy Progress X, Proceedings of the 10 th World Hydrogen Energy Conference, Cocoa Beach, Florida, U.S.A., Vol. 3, pp. 1681-90 (June, 1994).

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	5,639,431	6/17/1997	Shirasaki et al.			
	5,645,626	7/8/1997	Edlund et al.			
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	5,677,073	10/14/1997	Kawatsu			
	5,679,249	10/21/1997	Fendya et al.			
	5,705,916	1/6/1998	Rudbeck et al.			
	5,712,052	1/27/1998	Kawatsu			
	5,714,276	2/3/1998	Okamoto			
	5,734,092	3/31/1998	Wang et al.			
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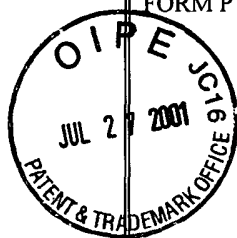
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	Amphlett, J. C., et al., "Simulation of a 250 kW Diesel Fuel Processor/PEM Fuel Cell System," Fifth Grove Fuel Cell Symposium, Commonwealth Institute, London, U.K., p. 8 (September 22-25, 1997).
	Chai, M., et al., "Promotion of Methane Steam Reforming Using Ruthenium-Dispersed Microporous Alumina Membrane Reactor," Chemistry Letters, The Chemical Society of Japan, pp. 41-44 (1993).

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	5,780,179	7/14/1998	Okamoto			
	5,782,960	7/21/1998	Ogawa et al.			
	5,795,666	8/18/1998	Johnssen			
	5,811,065	9/22/1998	Sterenber			
	5,814,112	9/29/1998	Elliot et al.			
	5,821,185	10/13/1998	White et al.			
	5,833,723	11/10/1998	Kuwabara et al.			
	5,858,314	1/12/1999	Hsu et al.			
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	5,985,474	11/16/1999	Chen et al.			
	5,997,594	12/7/1999	Edlund et al.			
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APPLICANTS

DAVID J. EDLUND and WILLIAM A. PLEDGER

FILING DATE

April 20, 2001

GROUP ART UNIT

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FORM PTO-1449

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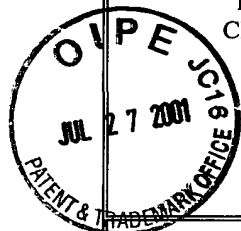
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